

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

23. (Amended) A method, comprising forming a conduction path between a pair of tunnel junctions each having a resistance less than or equal to approximately a quantum resistance by shifting energy states of an island formed of a material having a non-uniform density of energy states characterized by separated conduction and valence bands that behave as continuous energy bands, the island being disposed between the tunnel junctions.

24. (Original) The method of claim 23 wherein the energy states of the island are shifted by application or removal of a voltage through an electrode capacitively coupled to the island.

25. (Original) The method of claim 24 further comprising passing a current through the conduction path via electrodes coupled to the tunnel junctions.
